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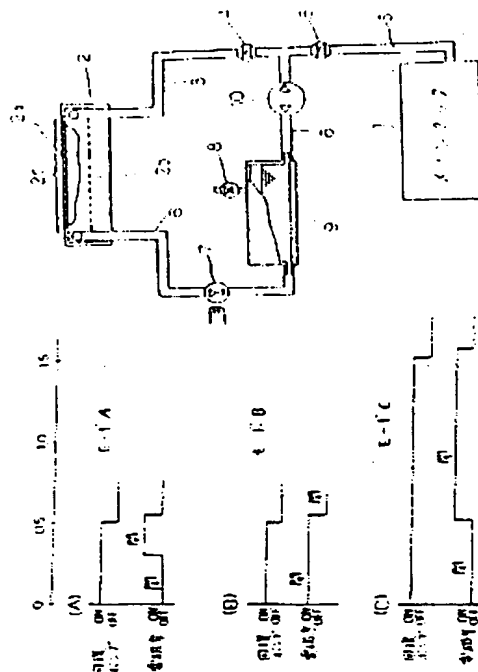
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APPLICANT : CANON INC;

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TITLE : LIQUID JET RECORDER



ABSTRACT : **PURPOSE:** To reduce consumption of ink by a construction wherein a means for detecting the state of a device is provided, and in accordance with the state, the action timings of an ink pressurizing pump and a valve are controlled at the time of ink circulation for controlling a pressurizing force.

CONSTITUTION: A recorder is constructed so that in accordance with the state of the recorder, such as the quiescent time of the recorder and the temperature of a recording head, three types of circulation recovery actions, i.e. modes A, B, and C, can be executed in required sequences. In the mode A which is operated when a power source is ON, a circulation time is 0.5sec. and during this period a solenoid valve 7 is closed for 0.3sec. to set a pressurizing force acting to a delivery port 2a higher than that in the mode B. The mode B has a sequence that a circulation time is set to 0.5sec. and the solenoid valve 7 has been opened before a recovery pump 10 is operated. In the mode C, an action timing is controlled with a sequence that a circulation time is 1.5sec. and during this period the solenoid valve 7 is closed for 0.5sec. In this manner, the wasteful consumption of ink at the time of recovery can be minimized with a simple mechanism.

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